

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 13 BUSINESS AND OHIO AVENUE IN WICOMICO COUNTY. US 13 BUSINESS IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE AND WITH VIDEO DETECTION CAMERA FOR THE SIDE STREET.

CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT AND ONE (1), FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER HOUSED IN A NEMA "5" POLE MOUNTED CABINET.

PHASING CHART

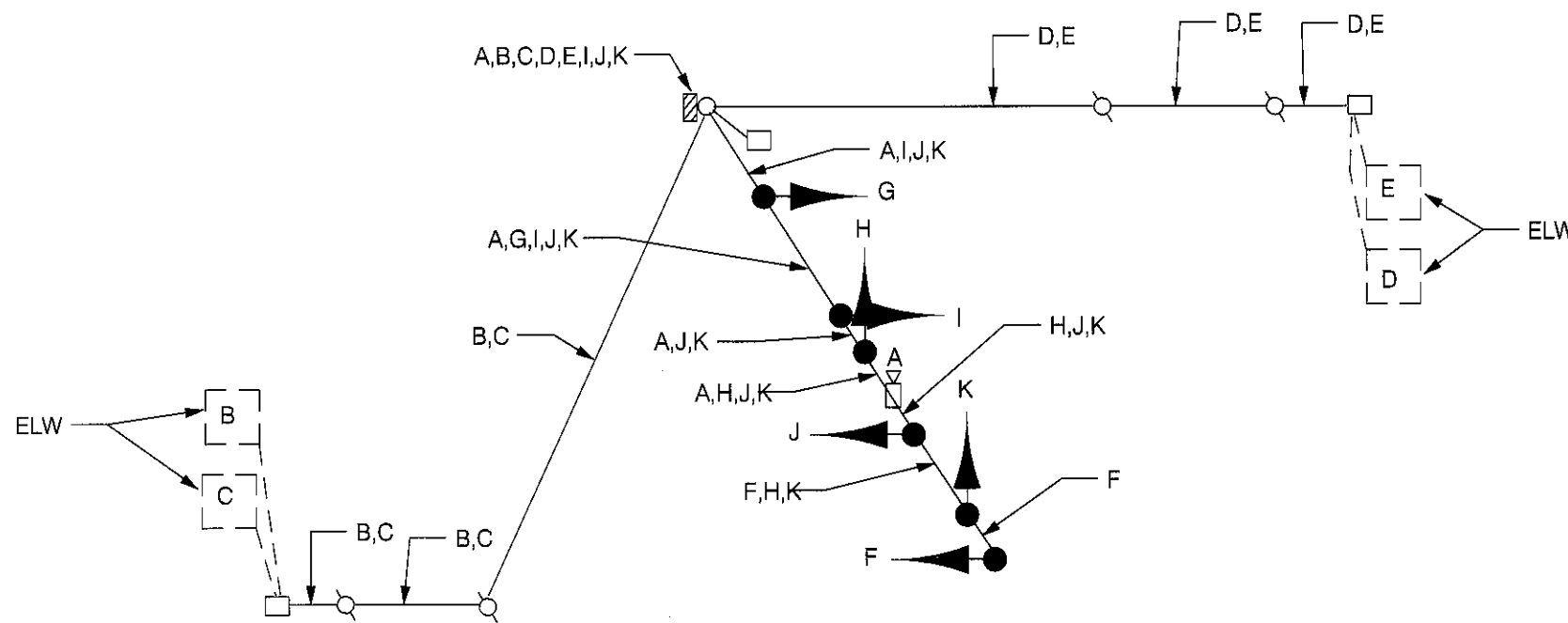
PHASING WILL NOT CHANGE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	1 EA	FURNISH AND INSTALL 250 FT. VIDEO CABLE TO CONTROLLER
8011	18 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION
8019	1 EA	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT
8020	1 EA	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL
8050	1 EA	FURNISH AND INSTALL VIDEO DETECTION INTERFACE EQUIPMENT
8081	1430 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 A.W.G.) ALUMINUM SHIELDED
8084	50 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
8085	260 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)
8092	1 EA	INSTALL CABINET AND CONTROLLER POLE MOUNT

WIRING DIAGRAM



WIRING KEY

- A VIDEO DETECTION 250 FT. PREMANUFACTURED CABLE
- B-E 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- F-H 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- I-K 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- ELW EXISTING LOOP WIRE (NO. 14 A.W.G.)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY MSHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
9016	1 EA	FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
9042	1 EA	CONTROLLER ASC II WITH TELEMETRY
9043	1 EA	POLE MOUNTED CABINET NEMA SIZE "5" WITH SYSTEM PACKAGE

EQUIPMENT LIST "C"

C. MSHA FORCES SHALL REMOVE CONTROLLER AND ALL AUXILIARY EQUIPMENT. CABINET AND ALL OTHER MATERIAL TO BE REMOVED BY THE CONTRACTOR AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

**TRAFFIC CONCEPTS, INC.**  
325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM



SH#:W1610A52 TOD#:XX10651-47  
**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
GENERAL INFORMATION  
US 13 BUSINESS AND OHIO AVENUE

DRAWN BY: M.HOWELL	F.A.P. NO. 1937-B	TS NO. 1937-B	SHEET NO. 2 OF 2
CHECKED BY: SCALE: 1" = 20'	S.H.A. NO. WICOMICO	T.I.M.S. NO. F648	
DATE: 4/2004	LOG MILE: 22.60130422		